

MARK/RECAPTURE SURVEY

Only persons who are either in line to use, who are using, or who have just used the boat ramp (to enter or exit the water), or persons who are in line at a gas pump, are using the gas pump, or who have just used the gas pump should be approached. Boat ramps and gas pumps are the only two locations that Mark/Recapture interviewing should take place, no matter how many other large pelagic boats might be in the vicinity. As with the Dockside interview, be sure to stay at the assigned site, and do not interview persons at other sites.

Screening Introduction

To be eligible for the Mark/Recapture Survey, a potential respondent must:

- be the captain or owner of a boat that fishes for large pelagics from the state (or state group) of intercept.

Once the canvassing introduction has been administered, the screening introduction should be administered to determine if the respondent meets these eligibility requirements.

Screener

Item 1

Are you the captain or owner of this vessel?

- if the respondent says 'yes', go to Screener Item 2
- if the respondent is not the captain or owner, terminate the interview, and tally the respondent on your Assignment Summary Form as 'NOT CAPTAIN/OWNER' in the ineligibles section

Screener

Item 2

Does your boat fish from [INSERT STATE] for large game fish, such as tunas, billfish, sharks, mahl, amberjack, or wahoo?

- if the respondent says 'yes', go to Item 9 on the intercept questionnaire (name)
- if the respondent says 'no', terminate the interview and tally the respondent on your Assignment Summary Form as 'NOT GAME FISHING' in the ineligibles section
- e in most areas, the state of intercept should be inserted at Screener Item 2; for the LPS some states are grouped together into one area, however (Maryland/Delaware, Connecticut/Rhode Island, Maine/New Hampshire); if you live in one of these six states, you should insert both states wherever you are asked to insert the state of intercept (e.g., if interviewing in Maryland, you should ask 'Does your boat fish from Maryland or Delaware for large game

fish ... ?

Privacy Act Statement

As soon as the respondent's eligibility is established, the interviewer should read the annotated Privacy Act Statement on the Mark/Recapture Questionnaire. While this short statement will be read to all, each interviewer will be given and should carry several copies of a longer Privacy Act Statement giving more complete information.

All surveys conducted by the federal government are regulated by the Privacy Act of 1974. This act stipulates that each person interviewed must be informed of the following: the auspices under which the survey is being conducted; whether participation is voluntary or mandatory-, what will happen if they choose not to participate; and how the information will be used. The Privacy Act also stipulates that this information must be available to each survey respondent in written form. While this information does appear on the longer Privacy Act Statement, most respondents will be satisfied with the reading of the abbreviated statement.

Intercept Interview

Items 1 through 8 are not questions to be asked of the angler. They are primarily identifying information.

- Item 1** **INTERVIEWER CODE** Each interviewer is given a unique four-digit identification number. This number, found at the bottom of the Memorandum of Agreement, should be used on all submitted forms.
- Item 2** **DATE OF INTERVIEW** The interviewer should record the Year/Month/Day of the intercept. Two digits for both the month and the day should be used.
- Item 3** **DOCUMENT NUMBER** Throughout an assignment, the interviewer should consecutively number forms completed for the assignment. The first form used should be numbered '01' the second '02', etc. All forms sent in should be numbered, regardless of interview status.
- Item 4** **CONTROL NUMBER** Each assignment is given a four-digit identifying number. The first digit of the control number indicates if it is a weekend or weekday assignment. If the first digit is a '1', it is scheduled for a Friday, Saturday, Sunday, or holiday (e.g., Memorial Day). If the first digit is a '2', it is scheduled for Monday, Tuesday, Wednesday, or Thursday. The second digit indicates the mode of the assignment. A '1' indicates a Dockside assignment, while a '2' indicates a Mark/Recapture assignment.
- Item 5** **STATE CODE** Enter the two-digit numeric code for the state of intercept.
- Item 6** **SITE NUMBER** Enter the seven-digit number assigned to the site of intercept. The site number should be listed on the interviewer assignment listing, as well as in the site register.
- Item 7** **SITE TYPE** Enter the type of site at which the intercept is conducted. If you intercept a respondent by a gas pump, enter '1'. If you intercept someone on a ramp, code '2'. These are the only possible location types for a Mark/Recapture assignment.
- Item 8** **STATUS** Item 8 should be determined at the end of the interview.

Status Definitions

Completed Interview If the angler answers all questions, then the interview is considered 'complete' and should be coded '1'.

Initial Refusal If a seemingly eligible angler refuses to be interviewed at all, it is considered an 'initial refusal' and should be coded '3'.

Language Barrier If a seemingly eligible angler can not respond to the interview and no other person with the angler is willing or able to respond for him/her, code the interview status W.

Mid-Interview Refusal If an angler begins the interview but then refuses to complete it, status should be coded '5'.

- Item 9** **RESPONDENT NAME** Enter the first and last names of the respondent. If the respondent refuses to give his/her name, leave the boxes blank.
- Item 10** **BOAT NAME** If the name of the boat is evident (e.g., if it is written on the boat itself, then you need only verify the information with the respondent, and fill in the name on the coding form. If the boat name is not apparent, ask the respondent 'What is the name of your boat?' and fill

in the information. If the boat has no name, leave the boxes at Question 10 blank! Be sure to check off the 'no name' box to the side of Question 10. If the boat is actually named 'NO NAME', fill it in the coding boxes.

The next set of questions (Items 11 a through 13b) are asked in order to identify the boat. The best means of identification is the bluefin permit number. If you are able to obtain that number, you can skip the questions about Coast Guard documentation and state registration numbers, and go directly to Item 14. If you can not get the bluefin permit number, you should ask for the Coast Guard documentation number. If you obtain this information, then you need not ask about state registration number. If you are unable to obtain either the bluefin permit number or the Coast Guard documentation number, then try to obtain the state registration information. It's very important that you get at least one of these identification numbers.

- Item 11 a** **VESSEL PERMITTED** If the intercepted vessel's bluefin tuna permit number is contained on the ID listing, you need only verify the information with the respondent. If this is not the case, ask the respondent 'Does your boat have a bluefin tuna permit number? If the respondent answers 'yes', code '1' and go to Item 11 b. If the respondent answers 'no', 'don't know' or refuses, enter the appropriate code and go to Item 12a.
- Item 11 b** **BLUEFIN PERMIT NUMBER** Enter the vessel's bluefin permit number. If you are able to obtain the bluefin tuna permit number, you should skip to Item 14. If the respondent doesn't know his/her number, or will not give you the number, leave Item 11 b blank and go to Item 12a.
- Item 12a** **VESSEL DOCUMENTED** If you were unable to get a bluefin tuna permit number, you should ask Item 12a. If the intercepted vessel's Coast Guard documentation number is contained on your ID listing, you need only verify the information with the respondent. If this is not the case, ask the respondent 'Is your vessel documented with the Coast Guard? If the respondent says 'yes', code '1' and go to Item 12b. If the respondent answers 'no', 'don't know', or refuses to answer, enter the appropriate code and go to Item 13a.
- Item 12b** **VESSEL DOCUMENTATION** Enter the intercepted vessel's Coast Guard documentation number. If the Coast Guard number is not contained on the ID listing, chances are the respondent will have to do a little searching to locate it (it probably won't be on the side of the boat). Encourage the respondent to find the number, and tell him/her that once we get the number into our database, we shouldn't have to ask them to search for it again. If the vessel is not documented, or if you are unable to obtain the documentation number, leave Item 12b blank.
- Item 13a** **VESSEL REGISTERED** If you were unable to get a bluefin tuna permit number or a Coast Guard documentation number, you will need to ask Item 13a. If the intercepted vessel's state registration is apparent (on the side of the boat), or if you have the registration number listed on your ID listing, you need only verify the information with the respondent. If this is not the case, ask the respondent 'Does your boat have a state registration number?'
- Item 13b** **VESSEL REGISTRATION** Enter the intercepted vessel's state registration number. If the number is written on the side of the boat, or if the state registration number is contained on your ID listing, you need only verify the information with the respondent, and fill in the information on the coding form (including the state abbreviation). If you cannot determine the state registration number, ask the respondent 'What is your boat's state registration number?' and fill in the information (including the state abbreviation). If the vessel is not registered, or if you are unable to obtain the documentation number, leave Item 13b blank.
- Item 14** **BOAT TYPE** If the intercepted vessel's boat type is contained on your ID listing, you need only

verify the information with the respondent. If this is not the case, ask the respondent 'Is your boat strictly a private boat, is it sometimes used as a charter boat, or is it sometimes used as a party (head) boat? If the boat is sometimes used as both a headboat and a charter boat, the boat type should be coded '3'.

For the next series of questions (items 15 through 25), there are several references to the recall period table. This table contains one column with interviewing dates, and a second column containing the corresponding recall period which should be inserted at the appropriate points during the Mark/Recapture Questionnaire. The corresponding recall period is always the Monday through Sunday of the week prior to the week of the interview. It is necessary to actually specify dates using the recall period (as opposed to simply asking about 'last week's' fishing activities) because respondents tend to interpret the phrase 'last week' variably.

To read the recall period table, first locate the time period that corresponds to your interviewing date in the first column. Then locate the corresponding recall period in the adjacent column. If you are interviewing on the 6th of July, the recall period that should be inserted would be 'June 27th through July 3rd', for instance.

For those persons interviewing in Maryland, Delaware, Connecticut, Rhode Island, Maine, and New Hampshire, remember that wherever the state of intercept is to be inserted, you should insert the state group (either MD/DE, CT/RI, or ME/NH).

For Items 15 through 25, it is important to keep in mind the fact that we are interested in determining the activity of the respondent's boat during the recall period (not necessarily the respondent). It is possible, for instance, that the intercepted respondent did not use the boat for large game fishing during the week of interest, but that a co-owner did fish on the boat during that time. If this is the case, then you should record

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the information about those trips.

Item 15 **LARGE GAME FISHING LAST WEEK** Indicate if the respondent's boat took any fishing trips for large game fish during the appropriate prior week (as indicated on the RECALL PERIOD TABLE). If the respondent says 'yes', code '1' and go to Item 16. If the respondent says 'no', code '2' skip Items 16 through 25, and go directly to Item 26. Leave Items 16 through 25 blank.

Items 16 through 25 may seem complex and confusing at first, but as you familiarize yourself with the

series, you'll see that the questions and skip patterns are logical and follow the same pattern. Items 16 through 20 ask for information about the respondent's boat's fishing trips. Items 21 through 25 ask about the boat's fueling.

Item 16 **NUMBER OF TRIPS** Ask the respondent how many large pelagic trips he/she took from the state (or state group if in MD, DE, CT, RI, NH, or ME) of intercept during the appropriate period (as indicated on the RECALL PERIOD TABLE). Since the respondent should have already stated at Item 15 that his/her boat went game fishing during the period of interest, Item 16 should never be V.

Item 17 **NUMBER OF TRIPS AT SITE** Ask the respondent how many of the trips listed at Item 16 were taken from the site of intercept. If he/she states that all trips were taken from the intercept site, fill in the number, skip to Item 21, and leave Items 18 through 20 blank.

Item 18 **OTHER SITE** If not all of the boat trips were taken from the site of intercept, then you will need to ask the name of the primary site (in the state or state group of intercept) from which the respondent fished during the time period in question. Simply write the name of the site in the boxes provided (if you need more room, write to the right of the boxes-the more information,

the better).

- Item 19** **OTHER SITE TYPE** If the respondent's boat was used at a site other than the intercept site, ask them if the other site is a marina (code'1'), private dock (code'2'), public ramp (code'3'), or some other type of site (code '4' and SPECIFY the site type).
- Item 20** **NUMBER OF TRIPS AT OTHER SITE** Ask the respondent how many of the fishing trips that he/she reported at Item 16 were taken from the other site. The number of trips listed at Item 17 and the number of trips listed at Item 20 should not be greater than the total number of trips listed at Item 16.
- Item 21** **NUMBER OF FUELINGS** IF YOU ARE INTERVIEWING AT A BOAT RAMP, LEAVE ITEMS 21 THROUGH 25 BLANK, AND GO TO ITEM 26. If you are interviewing at a gas pump, ask the respondent how many times his/her boat was fueled in the state (or state group) of intercept during the appropriate period (as indicated on the RECALL PERIOD TABLE). If the respondent reports that the boat was not fueled during the time period, code'O', skip to Item 26, and leave Items 22 through 25 blank.
- Item 22** **NUMBER OF FUELINGS AT SITE** Ask the respondent how many of the fuelings listed at Item 21 were taken from the site of intercept. If he/she states that all fueling was done from the intercept site, fill in the number, skip to Item 26, and leave Items 23 through 25 blank.
- Item 23** **OTHER FUELING SITE** If not all of the boat's fuelings were taken from the site of intercept, then you will need to ask the name of the primary site (in the intercept state or state group) at which the boat was fueled during the time period in question. Simply write the name of the site in the boxes provided (if you need more room, write to the right of the boxes-the more information, the better).
- Item 24** **OTHER FUELING SITE TYPE** If the respondent fueled at a site other than the intercept site, ask them if the other site is a marina gas pump (code'1'), roadside gas station (code'2'), gas truck (code '3'), or some other type of site (code '4' and SPECIFY the site type).
- Item 25** **NUMBER OF FUELINGS AT OTHER SITE** Ask the respondent how many of the fuelings that he/she reported at Item 21 were done at the other site. The number of fuelings listed at Item 22 and the number of fuelings listed at Item 25 should not be greater than the total number of fuelings listed at Item 21.
- Item 26** **STATE USUALLY FISHED** Ask the respondent from what state their boat usually fishes for large pelagics. Record the numeric code for the state. If you don't have the numeric code for the state, fill in the state abbreviation to the right of the coding boxes.

The next series of questions (items 27 through 29b) relates to the telephone portion of the 1994 Large Pelagic Survey. Those respondents who agree to participate in the telephone portion of the survey by giving their name, phone number, and address will possibly be called and further questioned about their large pelagic fishing activities. The telephone portion of the survey is vital to NMFS' efforts to estimate the recreational large pelagic catch, and we strongly encourage all respondents to participate so that their voices can be heard!

- Item 27** **LPS PARTICIPATION** If the intercepted person is listed on the ID listing as having already agreed to participate in the phone survey, code Item 27 as '1', skip Items 28 through 30, and leave them blank. Go to Item 31. If the respondent is not listed on the ID listing, or if they have not agreed to participate in the phone survey, ask Item 27.

If the respondent states that they are presently participating in the phone survey, code Item 27 '1', and skip Items 28 through 30, leaving them blank. If the respondent has not participated in the survey, or is not sure if they are participating, code the appropriate response and go to the next item. If the respondent refuses to answer, code '9', and skip Items 28 through 30, leaving them blank. Go to Item 31.

- Item 28** **WILLING TO PARTICIPATE IN LPS** If at Item 27 the respondent stated that they are not presently participating in the 1994 LPS Telephone Survey, or if they were not sure if they were participating, ask if they are willing to participate. If they say 'yes', code '1' and obtain their address and phone number at Items 29a and 29b. If they say 'no', or if they refuse, skip Items 29a, 29b, and 30 and leave them blank. Go to Item 31.
- Item 29a** **PHONE NUMBER** If the respondent is willing to participate in the 1994 LPS Telephone Survey, obtain a phone number where he/she can be reached. Be sure to include the area code.
- Item 29b** **ADDRESS** Record the respondent's address. This may be needed so that further survey or fisheries information can be sent to the respondent, if necessary.

The following questions (Items 31 and 32) are related only to validation of field interviews. They are in no way related to the actual LPS Telephone Survey.

- Item 30** **VALIDATION** This validation question should be asked of those who already gave their name and phone at Items 9 and 29a. QuanTech, Inc. is contractually required to validate a certain percentage of all completed field interviews. To do so, we must have a name and phone number where the respondent can be reached for an extremely short interview (about 2 minutes). Since the respondent should have already supplied his/her name and phone number at Items 9 and 29a, simply ask if we can use this information to validate the field interview. If the respondent agrees to participate in telephone validation, transcribe their name and number to the validation form after the interview. **SKIP TO ITEM 32!**
- Item 31** **NAME AND PHONE** This validation question should be used only for those respondents who were not asked Items 28 through 30. QuanTech, Inc. is contractually required to validate a certain percentage of all completed field interviews. To do so, we must have a name and phone number where the respondent can be reached for an extremely short interview (about 2 minutes). The respondent does not need to give his/her full name, and does not need to give a home phone number. (A first name and a work phone number is fine.) After the interview, transcribe this information to the orange validation form. Be sure to include area code!
- Item 32** **OTHER CAPTAINS/OWNERS** For their estimations, NMFS needs to know if each intercepted boat has more than one captain or owner. If the respondent answers that there are other captains or owners, ask the total number of other captains or owners (not including the respondent). Otherwise fill in the appropriate code and go to the Socioeconomic Questionnaire. Note that for this question the code for 'no' is '0'.
- Item 33** **OTHER CAPTAIN/OWNER NAMES&NUMBERS** Ask for the names and phone numbers of the other captains or owners. We want this information only so that any other captains and owners can be contacted about possibly participating in the LPS Telephone Survey. If the respondent does not want to give you this information, do not push him/her to do so.